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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/648,317	08/27/2003	Ryo Kuroda	03560.003343	3665	
5514	7590 04/19/2005		EXAMINER		
FITZPATRICK CELLA HARPER & SCINTO			RUGGLES, JOHN S		
	ELLER PLAZA , NY 10112		ART UNIT PAPER NUMBER		
NEW TORK	, 141 10112		1756		

DATE MAILED: 04/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application N	о. Ар	plicant(s)					
	10/648,317	KU	JRODA ET AL.					
Office Action Summary	Examiner	Art	t Unit					
	John Ruggles	175						
The MAILING DATE of this commun	ication appears on the cov	er sheet with the corre	spondence addre	ess				
A SHORTENED STATUTORY PERIOD F THE MAILING DATE OF THIS COMMUN - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this comm - If the period for reply specified above is less than thirty (3 - If NO period for reply is specified above, the maximum si - Failure to reply within the set or extended period for reply Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).	ICATION. of 37 CFR 1.136(a). In no event, ho nunication. O) days, a reply within the statutory ratutory period will apply and will expired will, by statute, cause the application	nwever, may a reply be timely fil minimum of thirty (30) days will re SIX (6) MONTHS from the m n to become ABANDONED (35	led be considered timely. nailing date of this comr 5 U.S.C. § 133).	nunication.				
Status								
1) Responsive to communication(s) file	ed on <i>11/10/03 & 8/27/03</i> .							
3) Since this application is in condition								
Disposition of Claims								
4) ⊠ Claim(s) <u>1-12</u> is/are pending in the a 4a) Of the above claim(s) is/a 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-12</u> are subject to restriction	re withdrawn from consid							
Application Papers								
9)☐ The specification is objected to by th								
10) The drawing(s) filed on is/are								
Applicant may not request that any obje		•						
Replacement drawing sheet(s) including 11) The oath or declaration is objected to	•	=		• •				
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim a) All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internation * See the attached detailed Office action	documents have been redocuments have been redocuments for the priority documents and Bureau (PCT Rule 17	ceived. ceived in Application N have been received in .2(a)).	No	age				
Attachment(s)								
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (F3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date	PTO/SB/08) 5) L	Interview Summary (PTC Paper No(s)/Mail Date Notice of Informal Patent Other:	·	52)				

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-6, drawn to a photomask, classified in class 430 subclass 5 (claims 1-5)
 and an exposure apparatus, classified in class 355 subclass 18 (claim 6).
- II. Claims 7-11, drawn to a method (process) of using an exposure apparatus to form a dot pattern, classified in class 355 subclass 77.
- III. Claim 12, drawn to a patterned device, classified in class 428 subclass 195.1.

Inventions II and I are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus as claimed in Group I can be used to practice another and materially different process than that claimed in Group II, such as a method of using the photomask and apparatus of Group I as a contact printing apparatus for contact patterned exposure of a photoresist exposure target.

Inventions II and III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process as claimed in Group II can be used to make another and materially different product than that claimed in Group III, such as a structure made using a contact printing apparatus for contact patterned exposure of a photoresist exposure target (in which the resulting pattern of the structure

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would be expected to be smaller than that of the device as claimed in Group III, because the patterned photomask would be closer to and in contact with a photoresist exposure target, rather than being spaced apart from the exposure target for making the device as claimed in Group III).

Inventions I and III are related as apparatus and product made. The inventions in this relationship are distinct if either or both of the following can be shown: (1) that the apparatus as claimed is not an obvious apparatus for making the product and the apparatus can be used for making a different product or (2) that the product as claimed can be made by another and materially different apparatus (MPEP § 806.05(g)). In this case, the patterned device product as claimed in Group III can be made by another and materially different apparatus than the photomask and exposure apparatus claimed in Group I, such as a phase shift photomask having a dot pattern and a projection exposure apparatus having an appropriate exposure reduction ratio to form the patterned device product.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, and also because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even if the requirement is traversed (37 CFR 1.143).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Ruggles whose telephone number is 571-272-1390. The examiner can normally be reached on Monday-Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John Ruggles Examiner Page 4

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